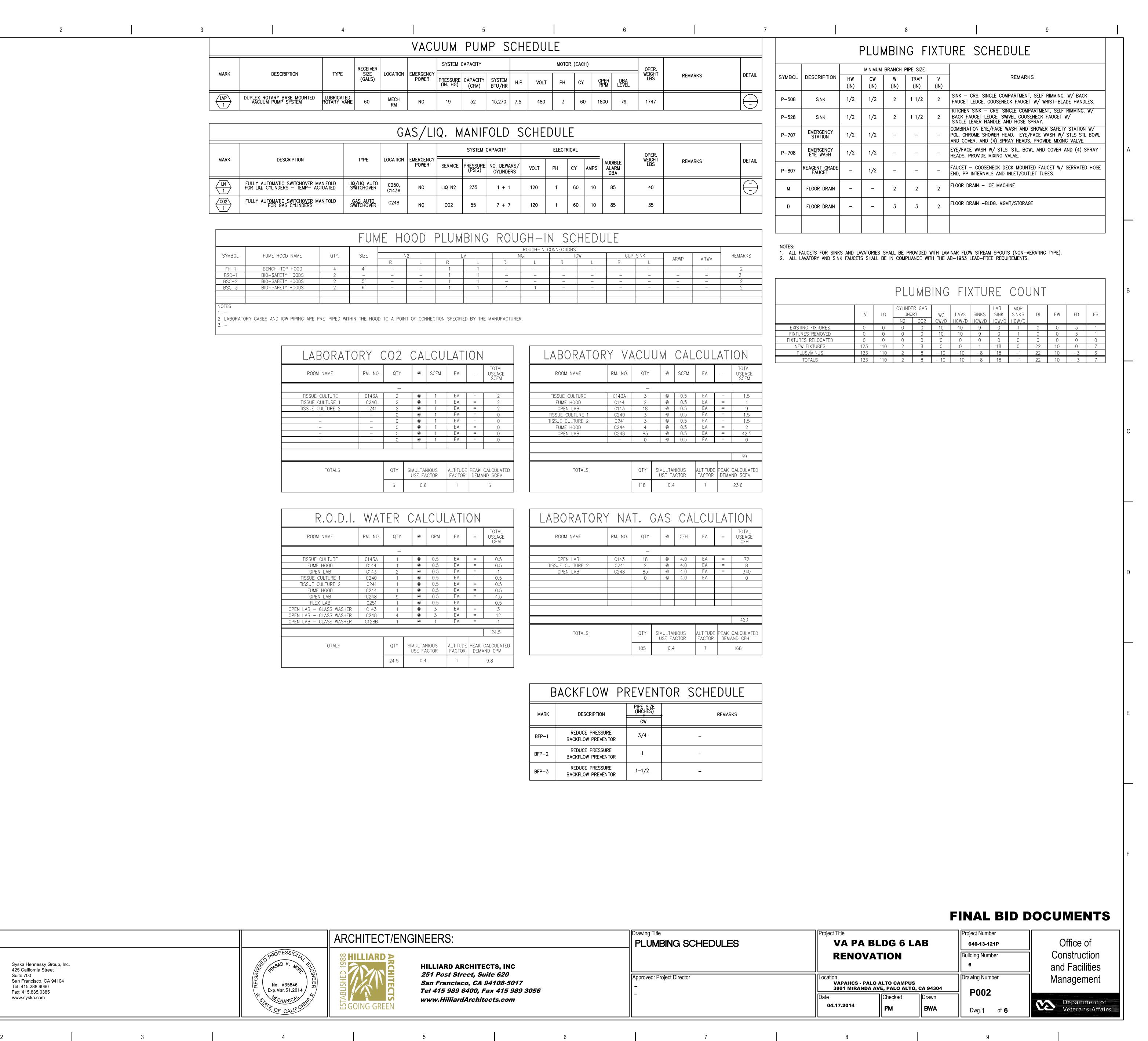
	ABBREVIATIO	ONS	·	· · · · · · · · · · · · · · · · · · ·		5	SYMBOLS (A	AS APPLICABLE)			GENERAL NOTES
-A- CI CIP AIR CISP E ARCHITECT/ENGINEER CL	CAST IRON FLAS CAST IRON PIPE FLEX CAST IRON SOIL PIPE FLG CENTER LINE FLMT	X FLEXIBLE FLANGE	MER MECHANICAL EQUIPMENT ROOM MFR MANUFACTURER MGD MILLION GALLONS PER DAY MH MANHOLE	VOL VOLUME VOLT VOLTAGE VP VACUUM PUMP VRFY VFRIFY	<u>PIPING</u>		<u>VALVES</u>		<u>FIXTURES</u>	1. –	1. ALL EXISTING PIPING SHOWN ARE BASED ON AVAILABLE DRAWINGS AND DO NOT REFLECT THE ACTUAL INSTALLED EXISTING CONDITION. CONTRACTOR SHALL FIELD VERIFY THE CONNECTION POINTS, DEPTHS, SIZE AND LOCATION OF EXISTING PIPING FOR P.O.C'S OR DEMOLITION AS REQUIRED PRIOR TO START OF WORK. PLUMBING CONTRACTOR SHALL INFORM THE ARCHITECT OF DISCREPANCIES.
MA AMERICAN ARCHITECTURAL CL MANUFACTURERS ASSOCIATION CLAS	CLOSE FLR	FLOOR SK FLOOR SINK	MIL STD MILITARY STANDARD MIN MINUTE MP MEDIUM PRESSURE	VRP VACUUM RETURN PUMP VS VENT STACK VTR VENT THROUGH ROOF	•	SANITARY PIPING	$-\!$	SHUT-OFF VALVE		FLOOR DRAIN/ROOF DRAIN	2. ALL WORK SHALL COMPLY WITH THE CURRENT INTERNATIONAL PLUMBING CODE (IPC), INTERNATIONAL FUEL GAS CODE (IFGC),
AN ABANDON CLG BRV ABBREVIATION CLO RSV ABRASIVE CML ABOCE CEILING CLR	CLILING FLIR CLOSET FO CLAY MORTAR LINED FOF CLEAR FOP	FUEL OIL FUEL OIL RETURN LINE FUEL OIL PUMP	MPG MEDIUM PRESSURE GAS MR MOP RECEPTOR MS MOP SINK	VIR VENT THROUGH ROUF -W-	-	— EXISTING SANITARY PIPING		PRESSURE REDUCING VALVE		FLOOR DRAIN	AUTHORITIES HAVING JURISDICTION. 3. ALL SYMBOLS SHOWN ON SYMBOLS LIST ARE NOT NECESSARILY USED ON THIS PROJECT.
ABOUE CEILING ALTERNATING CURRENT ACOUSTICAL PANEL CEILING CO	OLD III	FUEL OIL FOMP FUEL OIL RETURN FUEL OIL SUPPLY K FUEL OIL STORAGE TANK	MU MAKE UP WATER LINE MV MEDICAL VACUUM MV MOTORIZED VALVE	W WATT W WASTE W WIDE/WIDTH		UNDERGROUND SANITARY DRAINAGE		CHECK VALVE		OVERFLOW ROOF DRAIN	4. ALL WORK/MATERIALS SHOWN ON PLANS SHALL BE NEW UNLESS NOTED OTHERWISE, AND SHALL CONFORM TO THE CURRENT OF THE INTERNATIONAL PLUMBING CODE (IPC) AND ALL LOCAL APPLICABLE CODES AND REGULATIONS.
C ACCESSIBLE CO2 HKV AUTOMATIC CHECK VALVE COL D RES ACID RESISTANT COM D RES CI ACID RESISTANT COM	CARBON DIOXIDE FOUN COLUMN FOV COMMON FOW		-N- (N) NEW EQUIPMENT	W WIDE/WIDTH W/O WITHOUT WAG WASTE ANESTMETIC GAS WC WATER CLOSET	⊢ — — -	→ EXISTING UNDERGROUND SANITARY DRAINAGE	 O	BALL VALVE		ROOF RECEPTOR	5. BEFORE STARTING ANY WORK, CONTRACTOR SHALL EXAMINE THE COMPLETE SET OF DRAWINGS FOR ALL TRADES, INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, AND ELECTRICAL. VERIFY ALL DIMENSIONS, SPACE REQUIREMENTS, AND POI CONNECTION TO ALL FIXTURES AND EQUIPMENT. MAKE ANY MINOR ADJUSTMENTS NECESSARY TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES.
CAST IRON COMI	IPR COMPRESSOR FPS	FEET PER MINUTE FEET PER SECOND FIRE PROTECTION WATER SUPPLY	N NITROGEN N NORTH N20 NITROUS OXIDE	WC WATER COLUMN WC WL HNG WATER CLOSET, WALL HUNG WCL WL MTD WATER COOLER, WALL HUNG	-	→ STORM DRAIN	>	BALANCING VALVE/GLOBE VALVE		FLOOR SINK	6. UNLESS INSTRUCTED OTHERWISE, THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, AND FEES REQUIRED INSTALLATION OF ALL THE WORK AND ALL OTHER AGENCIES HAVING JURISDICTION OVER SERVICES TO THIS BUILDING. FURNISH
RES W ACID RESISTANT WASTE ACROSS DR ACCESS DOOR CONS	IN CONNECT FRA ISTR CONSTRUCTION FRP		NA NOT APPLICABLE NC NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE	WCO WALL CLEANOUT WF WASH FOUNTAIN WG WATER GAGE		→ EXISTING STORM DRAIN	——————————————————————————————————————	DIAPHRAGM VALVE		TRENCH DRAIN	CERTIFICATE OF INSPECTION OR WRITTEN EVIDENCE OF ACCEPTANCE BY INSPECTION AUTHORITIES FOR ALL WORK INSTALLED. 7. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF DEMOLITION AND NEW CONSTRUCTION, FOR EXACT PLUMBING FIXTURE LOCATION.
AUTOMATIC CONTROL VALVE CONTAREA DRAIN CONT	ITR CONTRACTOR FSP	FIRE SPRINKLER HEAD FIRE STANDPIPE	NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NFC NATIONAL FIRE CODE	WH WALL HUNG WH WALL HYDRANT WH WATER HEATER	+	-→ UNDERGROUND STORM DRAINAGE	_	OS&Y VALVE	- ▼	HOSE BIBB	AND QUANTITIES, EQUIPMENT, DEVICES, ETC. 8. PROVIDE ACCESS PANELS IN WALLS FOR SHUT-OFF VALVE AND TRAP PRIMERS, OR LOCATE ABOVE ACCESSIBLE CEILINGS.
AMERICANS WITH DISABILITIES ACT COOR ADDITIONAL CORP ADDENDUM COTO	R CORRIDOR FTG G CLEANOUT TO GRADE FURN	FOOTING N FURNISH	NFPA NATIONAL FIRE PROTECTION ASSOCIATION NIC NOISE ISOLATION CLASS	WHA WATER HAMMER ARRESTOR WL WATER LINE WM WATERMETER	-	→ OVERFLOW DRAIN	پو پو	FLOAT VALVE		WALL HYDRANT	CONTRACTOR IS ADVISED THAT ITEMS REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE THE AREAS OF GYPSUM BOARD CE WITHOUT PERMISSION OF THE ARCHITECT. ALL REQUIRED SHUT-OFF AND CONTROL VALVES SHALL BE ACCESSIBLE.
ADHESIVE COV ADJOINING CP ABOVE FINISHED FLOOR CPVC		FUTURE FLUSH VALVE FIRE WALL	NICU NEONATAL INTENSIVE CARE NO NORMALLY OPEN NP NON-POTABLE WATER	WP WATER PUMP WPR WORKING PRESSURE WSP WORKING STEAM PRESSURE	⊢ — — ⊣SSD⊢ — — -	→ SUB-SOIL DRAINAGE		SHUT-OFF VALVE WITH TAMPER SWITC	CH TOT	MIXING FAUCET	9. ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED AS REQUIRED BY CALIFORNIA ENERGY COMMISSION, SECTION 123, TA 1-G. ABOVE GROUND PIPING INSULATION SHALL CONSIST OF 3 LB. DENSITY FIBERGLASS, ONE PIECE MOLDED SECTIONAL PIPE-COVERING COMPLYING WITH ASTM C547-95, TYPE 1, WITH A MAXIMUM K FACTOR OF 0.23 AT 75°F MEAN TEMPERATUR
ABOVE FINISHED GRADE CPLO ABOVE FINISHED SLAB CS AMERICAN GAS ASSOCIATION CSI	CLINIC SINK CONSTRUCTION SPECIFICATIONS	-G-	NTS NOT TO SCALE -0-	WT WEIGHT WTR WATER WW WASTE WATER	⊢——⊣GR⊢——	→ GRAY WATER		SOLENOID VALVE	©C——	HUB DRAIN	FLAMESPREAD RATING OF 25 MAX. AND SMOKE DEVELOPED RATING OF 50 MAX., WITH A LAMINATE OF WHITE KRAFT PAPER GLASS SCRIM REINFORCING AND ALUMINUM FOIL WITH A SELF SEALING LAP. ALL UNDERGROUND HOT WATER PIPING SHALL INSULATED BY CLOSED CELL FOAM TYPE INSULATION WITH MAXIMUM K FACTOR OF 0.27 AT 75F MEAN TEMPERATURE SIMILA
ASSOCIATED GENERAL CONTRACTORS CSP AGGREGATE CSP	COATED STEEL PIPE G LN	N GAS LINE	O2 OXYGEN OD OUTSIDE DIAMETER	-Y-	-	→ CONDENSATE DRAIN	——· []	GAS COCK			ARMAFLEX. 10. ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED SIMILAR TO HOT WATER PIPING INSULATION'S MATERIALS AND THICKNE
AUTHORITY HAVING JURISDICTION CTG AIR HANDLING UNIT CTRL AMERICAN INSTITUTE OF CU ARCHITECTS CU F	COPPER GCO	GENERAL CONTRACTOR OGRADE CLEANOUT	OF/CI OWNER FURNISHED/CONTRACTOR INSTALLED OF/OI OWNER FURNISHED/OWNER	YCO YARD CLEANOUT YD YARD DRAIN YD YARD DRAINAGE PIPE	•	GREASE WASTE		PLUG SAFETY VALVE			11. INSULATE INDIRECT DRAIN LINES FROM REFRIGERATORS, FREEZERS, ICE BINS, ETC., TO PREVENT CONDENSATION. INSULATE WASTE PIPING RECEIVING CONDENSATE DRAIN INCLUDING THE RECEPTOR DRAIN BODY. INSULATION SHALL BE SIMILAR TO HE
ALARM CUH ALIGNMENT CUR		R GUARD RAIL I GENERAL GALVANIZED IRON PIPE	INSTALLED OFD OVERFLOW DRAIN OP OPERATING	YI YARD INLET	⊢ — — →SED⊢ — — -	→ SEWAGE EJECTOR DISCHARGE		MASTER GAS CONTROL VALVE	<u>EQUIPMENT</u>		PIPING INSULATION'S MATERIALS AND THICKNESS. 12. PROVIDE PIPING ISOLATION ON STUD WALL USING 1/4" FELT OR NEOPRENE ISOLATION, OR APPROVED SMWF ISOLATOR.
ALTERNATE CV ALUMINUM CW AMBIENT CW AMERICAN NATIONAL STANDARDS CWP	CLOCKWISE GLV COLD WATER PIPING GOVI	GROUND LEVEL GLOBE VALVE T GOVERNMENT GALLONS PER FLUSH	OR OPERATING ROOM ORD OVERFLOW ROOF DRAIN OSHA OCCUPATIONAL SAFETY AND		⊢ — — ⊣SPD⊢ — — -	→ SUMP PUMP DISCHARGE		SEISMIC GAS CONTROL VALVE	HW	STORAGE TYPE WATER HEATER	13. CIRCULATING HOT WATER SYSTEMS SHALL BE EQUIPPED WITH A CONTROL CAPABLE OF AUTOMATICALLY TURNING OFF THE CIRCULATING PUMP(S) WHEN HOT WATER IS NOT REQUIRED (TIME CLOCK).
AMERICAN NATIONAL STANDARDS CWP INSTITUTE CWP APPROVED CY X APPROXIMATE	U I 1		HEALTH ADMINISTRATION OSHPD OFFICE OF STATEWIDE HEALTH PLANNING DEVELOPMENT		+	VENT		BACK WATER VALVE	WS	WATER SOFTENER	14. ALL WATER FAUCETS SHALL BE PROVIDED WITH CODE APPROVED FLOW RESTRICTORS. SINK FAUCETS (NOT INCLUDING SERVICE FAUCETS) SHALL MEET THE FLOW REQUIREMENTS OUTLINED IN THE APPLIANCE EFFICIENCY STANDARDS AND SPECIFICATIONS.
X APPROXIMATE APPENDIX AIR PRESSURE RETURN LINE AS REQUIRED (D)	—D— GPS GR F DEMOLISH GR/0	GALLONS PER SECOND FL GROUND FLOOR	-P-			-⊣ EXISTING VENT	卜卜	PRESSURE AND TEMPERATURE RELIEF VALVE	[EHW]	INSTANTANEOUS ELECTRIC WATER HEATER	15. COORDINATE ALL SHUT-DOWN OF THE FIRE PROTECTION AND DOMESTIC WATER SYSTEMS WITH THE BUILDING ENGINEER.
AS REQUIRED (D) ARCHITECT D-B ARCHITECTURAL FINISH DB ABOVE SUSPENDED CEILING DBA	B DESIGN BUILD GRV DIALYSIS BOX GV UNIT OF SOUND LEVEL GVTR	GROOVE GATE VALVE	PCU CARE UNIT PATIENT PDISCH PUMP DISCHARGE PE POLYETHELENE			GREASE VENT	' 	PRESSURE AND TEMPERATURE MIXING VALVE	GHW	INSTANTANEOUS GAS WATER HEATER	16. PROTECT IN PLACE ALL USED PIPING BELOW AND ABOVE CEILING, AND BELOW SLAB. 17. CONTRACTOR TO REPLACE ALL EXISTING PIPING, VALVES, FITTINGS, HANGERS, ETC. FOUND TO BE DEFECTIVE, CORRODED, LE
ABOVE SUSPENDED CEILING DBA AUTOMATIC SPRINKLER DRAIN DD AMERICAN SOCIETY OF HEATING, DD REFRIGERATING, AND AIR DDC	DECK DRAIN GWH DESIGN DEVELOPMENT DIRECT DIGITAL CONTROL	H GAS FIRED WATER HEATER	PH ACID/ALKALINE SCALE PICU PEDIATRIC INTENSIVE CARE UNIT PIV POST INDICATOR VALVE		·	→ DOMESTIC COLD WATER	\$	AUTOMATIC AIR VENT	EWS	POINT OF CONNECTION	FROZEN AND CLOGGED UP. 18. RAISE ALL EXISTING PIPING AS REQUIRED TO ACCOMMODATE NEW CEILING, HVAC DUCTS, LIGHTING.
CONDITIONING ENGINEERS DEF AUTOMATIC SPRINKLER DEG AMERICAN SOCIETY OF DEG	DEFINITION DEGREE H20 F DEGREES FAHRENHEIT H&C) WATER	PLBG PLUMBING PNEU PNEUMATIC POC POINT OF CONNECTION PSI POUNDS PER SQUARE INCH		├	- EXISTING DOMESTIC COLD WATER	1	VALVE IN VERTICAL (RISE)	EW	EMERGENCY EYEWASH	19. ALL EXISTING ABANDONED SAN. & VENT PIPING AND STUBOUTS FROM DEMOLISHED PLUMBING FIXTURES SHALL BE REMOVED EXISTING PIPING SHALL BE CAPPED WHERE THEY ARE OUT OF SIGHT. SLAB SHALL BE FINISHED TO MATCH EXISTING. CON
PLUMBING ENGINEERS DEMO AMERICAN SOCIETY OF DES MECHANICAL ENGINEERS DESC	O DEMOLITION HB DESIGNATION HD CR DESCRIPTION HD	HOSE BIBB HEAVY DUTY HUB DRAIN	PSI POUNDS PER SQUARE INCH PSIA POUNDS PER SQUARE INCH ABSOLUTE PSIG POUNDS PER SQUARE INCH, GAGE			→ DOMESTIC HOT WATER	*	VALVE IN VERTICAL (DROP)		INLINE FILTER	FILL OF STUBOUTS ARE NOT ACCEPTABLE AND SHALL NOT BE PERMITTED. 20. ALL PLUMBING FIXTURES SHALL BE CERTIFIED TO THE CALIFORNIA ENERGY COMMISSION — A.E.S. SECTION 1605.1 TABLE H—
AUTOMATIC SPRINKLER RISER DET ASSOCIATION DF ASSEMBLY DFU	DETAIL HDR DRINKING FOUNTAIN HE DRAIN FIXTURE UNIT HG	HEADER HELIUM MERCURY	-R-			→ EXISTING DOMESTIC HOT WATER	E-I×	VALVE AND CAPPED OUTLET			(WATER CLOSET 1.6 GPF, URINAL 1.0 GPF, SHOWER HEAD 2.5 GPM, LAVATORY 0.5 GPM, AND SINK FAUCETS 2.0 GPM). 21. COORDINATE WITH ELECTRICAL SECTION PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT EQUIPMENT LOCATION
AMERICAN SOCIETY FOR DF V TESTING AND MATERIALS ANGLE STOP VALVE DGTL	WL MTD DRINKING FOUNTAIN, WALL HOSE MOUNTED HP L DIGITAL HP	SP HOSPITAL HIGH PRESSURE HORSEPOWER	(R) RELOCATED EQUIPMENT R RADIUS R REMOVE			→ DOMESTIC HOT WATER RETURN	BFP	BACKFLOW PREVENTER	<u>PUMPS</u>		22. PROVIDE PIPE SLEEVES TO ALL PIPING PASSING THROUGH A MASONRY, CONCRETE, STRUCTURAL WALL. PROVIDE FIRE RATE CAULKING OF SAME RATING AS THE WALL AND SHALL BE HAVE AUTHORITY HAVING JURISDICTION APPROVALS.
ATTACHMENT DIA ATTENTION DIAG	DIAMETER HR G DIAGRAM HS	HIGH PRESSURE GAS HOUR HAND SINK	R REMOVE R RISER RD ROOF DRAIN RE RELOCATED EXISTING			→ EXISTING DOMESTIC HOT WATER RETURN	TMV	THERMOSTATIC MIXING VALVE	•	CIRCULATOR PUMP	23. A MINIMUM 1/2" CLEARANCE SHALL BE PROVIDED AROUND PIPES AT ALL PENETRATIONS THROUGH WALLS AND ROOF. THE SHALL BE PACKED TIGHTLY WITH LOOSE, LIGHTWEIGHT INSULATION THROUGH NON RATED WALLS, AND APPROVED U.L. LISTEL
AUTOMATIC DIM AUXILIARY DIP ACID VENT DIR	DIMENSION HV DUCTILE IRON PIPE HVAC	HOSE VALVE C HEATING, VENTILATION, AND AIR CONDITIONING	RE RELOCATED EXISTING REF REFERENCE REQ REQUIRE			→ FILTERED WATER		METER		BOOSTER PUMP	SAFING MATERIAL RATED WALLS TO MATCH WALL RATING 24. ROOF CONTRACTOR TO PROVIDE WATER TIGHT SEAL AROUND ALL NEW PENETRATIONS THRU ROOF. REFER TO ARCHITECTUR
AIR VENT DISC AVERAGE DISC ACID WASTE DIV	CH DISCHARGE HWCI DIVISION HWR	R HOT WATER RETURN	RFI REQUEST FOR INFORMATION RPM REVOLUTIONS PER MINUTE RWL RAIN WATER LEADER			→ NON-POTABLE WATER	GR	GAS REGULATOR		HOUSE PUMP	FOR DETAILS OF ALL PENETRATIONS THRU ROOF. 25. PROVIDE AND INSTALL SHOCK ARRESTORS OR WATER HAMMER ARRESTORS WITH ACCESS PANELS OF REQUIRED SIZE AT ALL OF A SHOCK ARRESTORS AND MANUFACTURED AND MANUFACTURED AND MANUFACTURED.
ACID WASTE PIPE DIW AIR WATER PUMP DOM AMERICAN WATER WORKS DR ASSOCIATION DSB	DRAIN HYD	S HOT WATER SUPPLY HOT WATER TANK HYDRANT	-S-			→ RECLAIMED WATER	TP	TRAP PRIMER		SUMP PUMP EJECTOR	CLOSING VALVES, MANUFACTURER AND MODEL NUMBER SHALL BE PER SPECIFICATIONS AND SIZES PER MANUFACTURER REQUIREMENTS.
ASSOCIATION DSP AXIAL FLOW DSPL DW -R-	DRY STANDPIPE HX L DISPOSAL DISHWASHER DISTILLED WATER	•	S SINK SAN SANITARY SCFM STANDARD CUBIC FEET PER			- FIRE LINE		AQUASTAT			26. ALL FLOOR DRAINS AND FLOOR SINKS SHALL BE PROVIDED WITH CODE—APPROVED ACCESSIBLE TRAP PRIMERS. CONCEALED PRIMER VALVES SHALL BE PROVIDED WITH ACCESS PANELS.
-B- DW DW BELL AND FLANGE DWG BELL AND SPIGOT DWH	DOMESTIC WATER IBC DRAWING ICU	INTERNATIONAL BUILDING CODE INTENSIVE CARE UNIT	MINUTE SCHED SCHEDULE SCP SCUPPER			— AUTOMATIC FIRE SPRINKLER			ANNOTATION		27. PROVIDE ACCESS PANELS FOR VALVES, TRAP PRIMERS, AND WATER HAMMER ARRESTORS. LOCATIONS SHALL BE COORDINA ARCHITECT PRIOR TO INSTALLATION. 28. EXISTING FLOOR REQUIRING CORING OR SAWCUTTING SHALL BE PATCHED FOR INSTALLATION OF NEW FIXTURES AND PIPING A
BALANCE DWR BUILDING AUTOMATION SYSTEM DWS BUILDING CODE DWV	DOMESTIC WATER HEATER ID R DOMESTIC WATER RETURN IE DOMESTIC WATER SUPPLY IN. DRAIN, WASTE, AND VENT IND	INSIDE DIAMETER INVERT ELEVATION INCH INDUSTRIAL	SCSK SCRUB SINK SD SCHEMATIC DESIGN SD STORM DRAIN			PREACTION FIRE SPRINKLER PIPING	<u>FITTINGS</u>		Ø	DIAMETER	28. EXISTING FLOOR REQUIRING CORING OR SAWCUTTING SHALL BE PATCHED FOR INSTALLATION OF NEW FIXTURES AND PIPING A REQUIRED TO MATCH EXISTING SLAB RATING. 29. CONTRACTOR TO GET APPROVAL FROM THE BUILDING STRUCTURAL ENGINEER IN CORE DRILLING EXISTING CONCRETE FLOOR
BUTTERFLY CHECK VALVE DX BOILER FEED BOOSTER	DUPLEX IPS ISO -E- IT	INTERNATIONAL PIPE STANDARD ISOMETRIC	SF SQUARE FOOT (FEET) SH SHOWER SHR SHOWER			→ NATURAL GAS (LOW PRESSURE)	0	PIPE-UP UNLESS OTHERWISE NOTED	Ф	SQUARE FEET	WALL SLAB. CONTRACTOR TO USE CARE AND CAUTION IN CORING EXISTING REINFORCED CONCRETE SLAB. USE X-RAY TO EXISTING REINFORCED BARS TO AVOID CUTTING OR DAMAGING THEM.
BELOW FINISH FLOOR BACKFLOW PREVENTER (E) BUTTERFLY VALVE EA	EXISTING TO REMAIN EACH	IDDICATION WATED	SHR HD SHOWER HEAD SHRD SHOWER DRAIN SLV SLEEVE SMP SUMP PUMP		-	→ EXISTING NATURAL GAS (LOW PRESSURE)	c -	ELBOW DOWN	•	POINT OF CONNECTION	30. COORDINATE ALL STRUCTURAL CUTTING, DRILLING, PATCHING AND REINFORCING REQUIRED FOR PLUMBING WORK WITH THE GI CONTRACTOR AND REQUIREMENTS OF STRUCTURAL ENGINEER.
BOILER FEEDWATER ECC BRAKE HORSE POWER EER BED JOINT EFF	RDCR ECCENTRIC REDUCER ENERGY EFFICIENCY RATIO JC EFFICIENCY	JANITOR CLOSET	SMP SUMP PUMP SOLV SOLENOID VALVE SOV SHUT OFF VALVE SP STANDPIPE			→ MEDIUM PRESSURE GAS	<u> </u>	TEE DOWN	•	POINT OF DISCONNECTION	31. NO PLUMBING INSTALLATION THAT IS NOT DIRECTLY NECESSARY FOR MECHANICAL REFRIGERATION EQUIPMENT OPERATION SH PLACED OR PASS THROUGH THE REFRIGERATION MACHINERY ROOM PER UMC 1109.1. ONLY SPRINKLER HEADS AND PIPING THE MECHANICAL ROOM IN ACCORDANCE WITH NFPA STANDARDS ARE ACCEPTED INSIDE.
BACKING EHP BACKGROUND EJ BASE LINE EL	EFFECTIVE HORSE POWER EXPANSION JOINT ELEVATION KW	-K- KILOWATT	SP STANDPIPE SP GR SPECIFIC GRAVITY SPEC SPECIFICATION SPKLR SPRINKLER		<u> </u>	→ EXISTING MEDIUM PRESSURE GAS	∵ ⊩	CLEANOUT (PIPING AT CLG)	1 SYMBOLS	TITLE MARK DETAIL OR PLAN NUMBER — 1	32. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER FOREIGN EQUIPMENT ARE ALLOWED INSIDE THE ELECTRICAL R OVER THE ELECTRICAL EQUIPMENT PER NEC SECTION 110.26.F.1. ONLY SPRINKLER HEADS AND PIPING SERVING THE ELECTR
BUILDING ELEC BULKHEAD EMER BLOWER EMR	ELEVATOR MACHINE ROOM	-L-	SPKLR SPKINKLER SS SANITARY SEWER SS SERVICE SINK SS STORM SEWER		-	→ HIGH PRESSURE GAS	<u>'</u>	CLEANOUT (BURIED PIPING)	P-201 SCALE: NOT TO SCALE	DETAIL OR PLAN REFERENCE LOCATION FOUND IN P-201	ROOM IN ACCORDANCE WITH NFPA STANDARDS ARE ACCEPTED INSIDE. 33. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER FOREIGN EQUIPMENT ARE ALLOWED INSIDE THE ELEVATOR MA
BOILER EMS BOILER HORSEPOWER ENGF BUILT—IN ENGY	Y ENERGY LAV	LITER PER SECOND LABORATORY LAVATORY	SSD SUBSOIL DRAIN SST STAINLESS STEEL		<u> </u>	→ EXISTING HIGH PRESSURE GAS	∞ —	TRAP	1 P-501	SECTION MARK A2T SECTION NUMBER — 1 SECTION FOUND IN P-501	ROOM AND ELEVATOR SHAFT PER ASME A17.1A RULE 102. ONLY SPRINKLER HEADS AND PIPING SERVING THESE ROOMS IN ACCORDANCE WITH NFPA STANDARDS ARE ACCEPTED INSIDE. REROUTE PLUMBING, FIRE MAIN LINES AND OTHER PIPING OU THESE AREAS.
BELOW ENVII G BELOW CEILING EOV BLOWDOWN	ELECTRICALLY OPERATED SOLENOID LDR VALVE	POUND(S) LEADER LINEAR FEET (FOOT)	STRUCT STRUCTURAL SUCT SUCTION -T-				,l.	VENT THROUGH ROOF		SECTION FOUND IN P-501	34. ROOMS CONTAINING FIRE PUMPS SHALL BE FREE FROM STORAGE AND PENETRATIONS NOT ESSENTIAL TO THE OPERATION PINFPA—20 SECTION 2—7.1 (2007 NFPA—20 SECTION 5.12.1.1.4).
BEAM EQ BUILDING MANAGEMENT SYSTEM EQL BLOWOFF EQUI TL BUILDING OFFICIALS AND CODE EQUI	IP EQUIPMENT	H LENGTH LATENT HEAT LEFT HAND	T&P VALVE TEMPERATURE AND PRESSURE VALVE						2 P-2	DETAIL BOUNDARY B DETAIL NUMBER - 2	35. PENETRATIONS INTO OR THROUGH THE EXIT PASSAGEWAY ARE PROHIBITED PER 2007 CALIFORNIA BUILDING CODE SECTION EXCEPT FOR THOSE SERVING THE EXIT PASSAGEWAY SUCH AS FIRE SPRINKLER PIPING, AND STANDPIPES IN ACCORDANCE VICTABLE AND STANDPIPES AND STANDPIPES IN ACCORDANCE VICTABLE AND STANDPIPES AN
ITL BUILDING OFFICIALS AND CODE EQUI ADMINISTRATORS ASSOCIATION ER INTERNATIONAL ERD BOTTOM OF STEEL ESC	EQUIVALENT LHR EXISTING TO REMAIN LHS EXISTING ROOF DRAIN LIM ESCUTCHEON LIN	LEFT HAND REVERSE LEFT HAND SIDE	T/S TUB/SHOWER TC TIME CLOCK TD TRENCH DRAIN				~ ~	UNION CONCENTRIC TRANSITION	(1)	CHEET KEVNOTE	STANDARDS. 36. ALL BACKFLOW DEVICES SHALL BE TESTED BY A CERTIFIED BACKFLOW TESTER WITH THE RESULTS DOCUMENTED ON FORMS BY THE SAN EPANCISCO COUNTY DEDT. OF HEALTH SERVICES CROSS CONNECTION. CONTROL SECTION. THE FORMS SHALL BE
BOTTOM OF STEEL ESC BOTTOM ESH BLACK STEEL PIPE ETR BRACING EWC	ESCUTCHEON LIN EMERGENCY SHOWER LIQ EXISTING TO BE RELOCATED LL ELECTRIC WATER COOLER LNC	LINEAR LIQUID LEAD LINED	TDH TOTAL DYNAMIC HEAD TEMP TEMPERATURE TFA TO FLOOR ABOVE							SHEET KEYNOTE	BY THE SAN FRANCISCO COUNTY DEPT. OF HEALTH SERVICES CROSS CONNECTION CONTROL SECTION. THE FORMS SHALL E REGISTERED WITH THE ABOVE AGENCY AND COPIES OF THE FORMS SHALL BE PRESENTED TO THE CITY BUILDING INSPECTOR TO FINAL APPROVAL.
BEARING EWH BRONZE EWS BOTH SIDES EWT	ELECTRIC WATER COOLER LNG ELECTRIC WATER HEATER LOG EYE WASH STATION LOP ENTERING WATER TEMPERATURE	LIQUID NATURAL GAS LOGARITHM LUBRICATING OIL PUMP	TFB TO FLOOR BELOW THRU THROUGH TS TAMPER SWITCH					ECCENTRIC TRANSITION		REVISION CLOUD (DELTA 1)	37. ALL PIPING SHALL BE PROVIDED WITH SEISMIC JOINTS OR SEISMIC LOOP CONNECTIONS WHERE STRUCTURAL SEISMIC JOINT OF
BASEMENT EX BOOSTER EXCL BUTT WELD EXH	EXAMPLE LOX EXAMPLE LP L EXCLUDE LPAS EXHAUST LDB	LIQUID OXYGEN LOW PRESSURE (MECHANICAL) S LOW PRESSURE ALARM SWITCH	TYP TYPICAL -U-				•	PLUG		DETAIL REFERENCE	SHEET INDEX SHEET NO. DESCRIPTION SCALE
BRITISH THERMAL UNIT EXIS' BRITISH THERMAL UNIT PER EXP HOUR EXT		LOW PRESSURE BOILER R LOW PRESSURE CONDENSATE RETURN T LOW PRESSURE DRIP TRAP SET	UBC UNIFORM BUILDING CODE UC UNDERCOUTNER						1 P-501	DETAIL NUMBER — 1 DETAIL FOUND IN P—501	P-001 PLUMBING SYMBOLS, ABBREVIATIONS, NOTES AND SHEET INDEX NONE P-002 PLUMBING SCHEDULES NONE
BETWEEN VALVE	-F- LPG	LIQUID PETROLEUM GAS	UFC UNIFORM FIRE CODE UGND UNDERGROUND UL UNDERWRITERS LABORATORIES								PD-101 PLUMBING DEMOLITION PLAN - BASEMENT LEVEL 1/8" = 1'-0" PD-102 PLUMBING DEMOLITION PLAN - FIRST FLOOR 1/8" = 1'-0" PD-103 PLUMBING DEMOLITION PLAN - SECOND FLOOR 1/8" = 1'-0"
-C- F FACIL CAST CONCRETE FCO	FLOOR CLEANOUT	LOW PRESSURE GAS LIGHTPROOF LOUVER LOW PRESSURE RETURN LOW PRESSURE STEAM	UN UNLESS NOTED UNO UNLESS NOTED OTHERWISE UON UNLESS OTHERWISE NOTED UNICOM PLUMBING CODE								P-100 OVERALL BASEMENT LEVEL PLUMBING PLAN $1/8" = 1'-0"$ P-101 OVERALL FIRST FLOOR PLUMBING PLAN $1/8" = 1'-0"$
CENTER TO CENTER FCTY CABINET FD CAPACITY FDC	Y FACTORY LT W FLOOR DRAIN FIRE DEPARTMENT CONNECTION	WT LIGHTWEIGHT W LOW TEMPERATURE HOT	UPC UNIFORM PLUMBING CODE UR URINAL UST UNDERGROUND STORAGE TANK LITH								P-200 PARTIAL BASEMENT LEVEL PLUMBING PLAN - AREA A $1/4$ " = 1'-0" P-201 PARTIAL BASEMENT LEVEL PLUMBING PLAN - AREA B $1/4$ " = 1'-0"
CATCH BASIN FDCC CORONARY CARE UNIT COUNTERCLOCKWISE FDV	CONNECTION CABINET LV FIRE DEPARTMENT VALVE	LUBRICATE LABORATORY VACUUM LOW WATER	UTIL UTILITY -V-								P-202 PARTIAL FIRST FLOOR PLUMBING PLAN - AREA A 1/4" = 1'-0" P-203 PARTIAL FIRST FLOOR PLUMBING PLAN - AREA B 1/4" = 1'-0" P-204 PARTIAL SECOND FLOOR PLUMBING PLAN - AREA A 1/4" = 1'-0"
CONSTRUCTION DOCUMENTS FDW CHILLED DRINKING WATER FF E CHILLED DRINKING WATER SUPPLY FER	EL FINISH FLOOR ELEVATION LWM FROM FLOOR ABOVE	O LOW WATER CUT OFF I LOW WATER MARK LEAVING WATER TEMPERATURE	V VOLT V VENT VAC VACUUM								P-205 PARTIAL SECOND FLOOR PLUMBING PLAN - AREA B 1/4" = 1'-0" P-103 PLUMBING ROOF PLAN 1/8" = 1'-0" P-501 PLUMBING DETAILS NONE
CHILLED DRINKING WATER SUPPLY FFB CEMENT FHC CERTIFY FHV CONTRACTOR FURNISHED FIN	FROM FLOOR BELOW FIRE HOSE CABINET FIRE HOSE VALVE FINISH	-M-	VAC VACUUM LINE VAR VARIES VB VACUUM BREAKER								P-502 PLUMBING DETAILS NONE P-601 PLUMBING DIAGRAMS NONE P-602 PLUMBING DIAGRAMS NONE
CHILLER FIN CHEMICAL FIN CHECK FIXT CHECK VALVE FL S	FLR FINISH FLOOR MA GR FINISH GRADE MBH FIXTURE MECI	THOUSAND BTU PER HOUR	VB VALVE BOX VERT VERTICAL VIF VERIFY IN FIELD VOC VOLATILE ORGANIC COMPOUND								FINAL BID DOCUMENT
	CONSULTAI	NTS:			ARC	HITECT/ENGINEERS:			Drawing Title PLUMBING SY	MBOLS,	Project Title VA PA BLDG 6 LAB Project Number 640-13-121P Office of
		Syska Hennessy Group, Inc.		AND PROF	ESS/ONAL SO H	ILLIARD &	CUITECTS INC		ABBREVIATIO	NS, NOTES	RENOVATION Building Number Construction
	CAZOTZA T TERRE	425 California Street Suite 700 San Francisco, CA 94104		SO SORPERIOR	TOR ISON TO THE TOTAL TO THE TO	251 Post Stre			AND SHEET IN Approved: Project Director		Location Drawing Number Management
	SYSKA HENT GROUP A member company of SH Gro	Tel: 415.288.9060 Fax: 415.835.0385		Exp.Mo	M35846 ir.31,2014	Tel 415 989 6	o, CA 94108-5017 400, Fax 415 989 30 Architects.com	056	-		3801 MIRANDA AVE, PALO ALTO, CA 94304 Date Date
D AS 60% PROGRESS SET	-11.01.2013	,		NATE OF	YANICAL CRIP	OING GREEN	-, ciiilects.com				04.17.2014 PM BWA Dwg.1 of 6 Department

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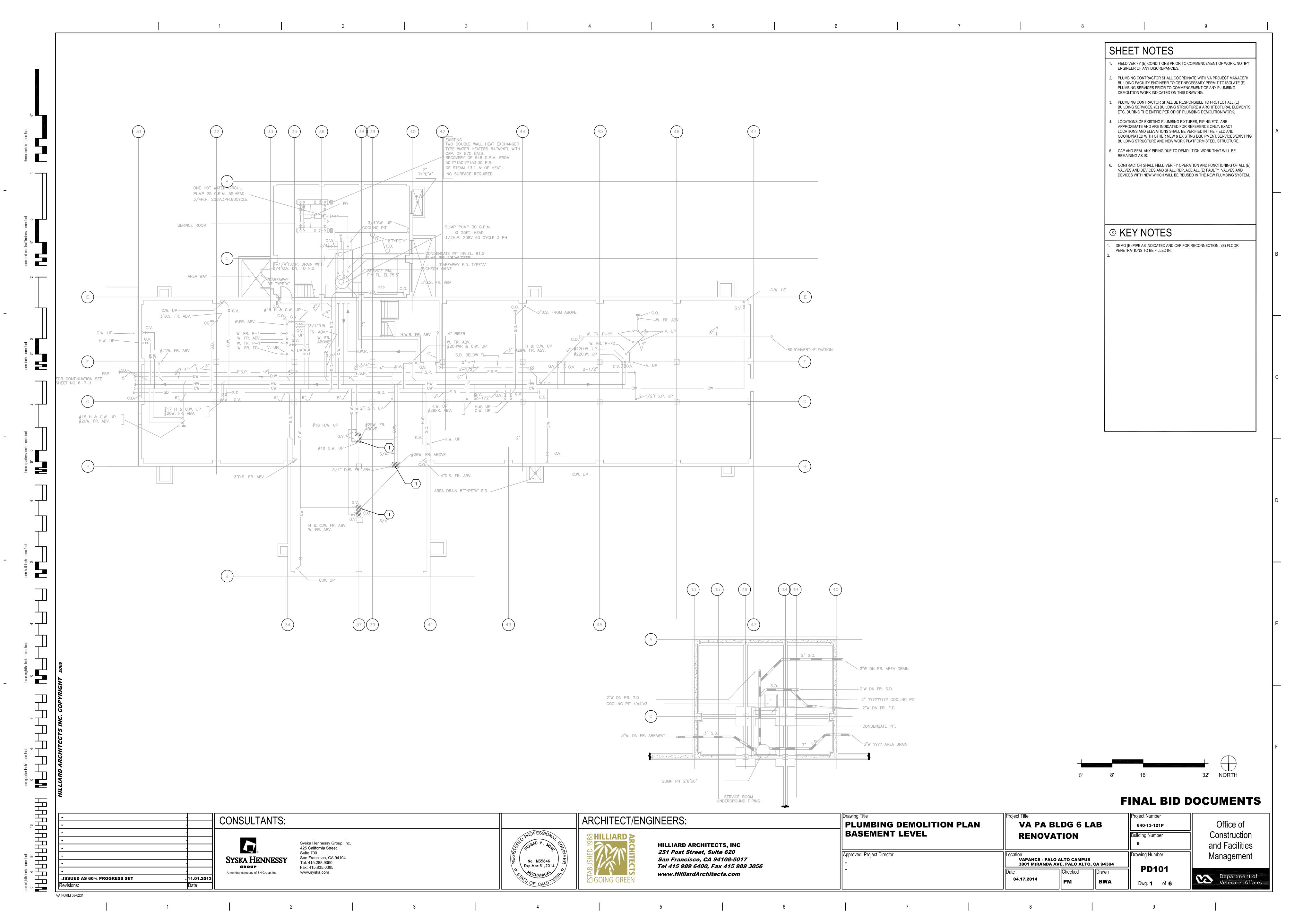
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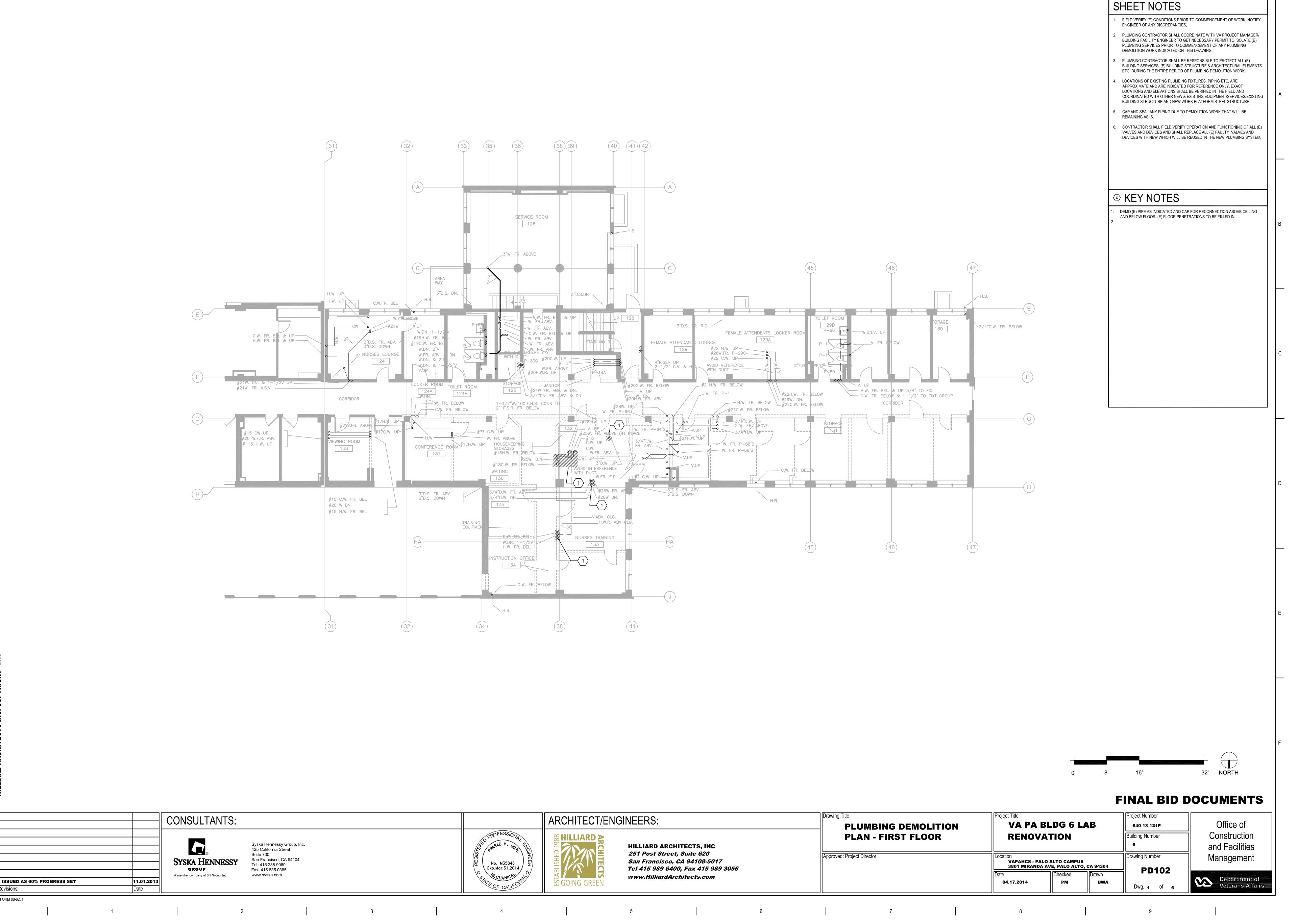
VA FORM 08-6231

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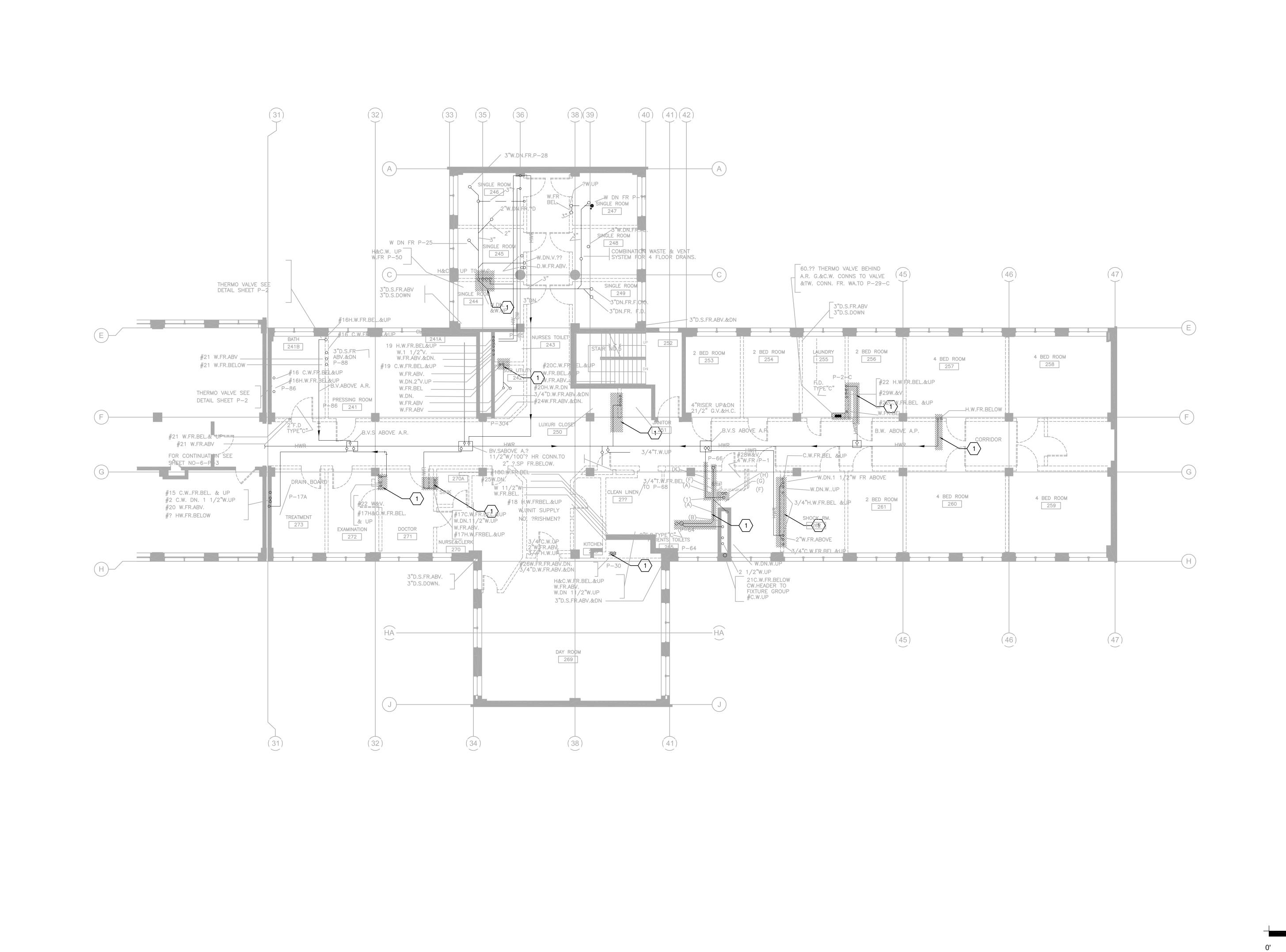
-|11.01.2013||





Revisions:

VA FORM 08-6231





VA PA BLDG 6 LAB Office of 640-13-121P

CONSULTANTS: **ISSUED AS 60% PROGRESS SET** 11.01.2013 Revisions:

VA FORM 08-6231

Syska Hennessy Group, Inc. 425 California Street San Francisco, CA 94104 Tel: 415.288.9060 Fax: 415.835.0385 www.syska.com

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HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com

PLUMBING DEMOLITION **PLAN - SECOND FLOOR** Approved: Project Director

RENOVATION VAPAHCS - PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304

PM

Building Number Drawing Number PD103

Dwg. **1** of **10**

SHEET NOTES

REMAINING AS IS.

⊗ KEY NOTES

ENGINEER OF ANY DISCREPANCIES.

DEMOLITION WORK INDICATED ON THIS DRAWING.

FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY

PLUMBING CONTRACTOR SHALL COORDINATE WITH VA PROJECT MANAGER/ BUILDING FACILITY ENGINEER TO GET NECESSARY PERMIT TO ISOLATE (E) PLUMBING SERVICES PRIOR TO COMMENCEMENT OF ANY PLUMBING

PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & ARCHITECTURAL ELEMENTS

COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT/SERVICES/EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURE.

CONTRACTOR SHALL FIELD VERIFY OPERATION AND FUNCTIONING OF ALL (E)

VALVES AND DEVICES AND SHALL REPLACE ALL (E) FAULTY VALVES AND DEVICES WITH NEW WHICH WILL BE REUSED IN THE NEW PLUMBING SYSTEM.

DEMO (E) PIPE AS INDICATED AND CAP FOR RECONNECTION ABOVE CEILING

AND BELOW FLOOR. (E) FLOOR PENETRATIONS TO BE FILLED IN.

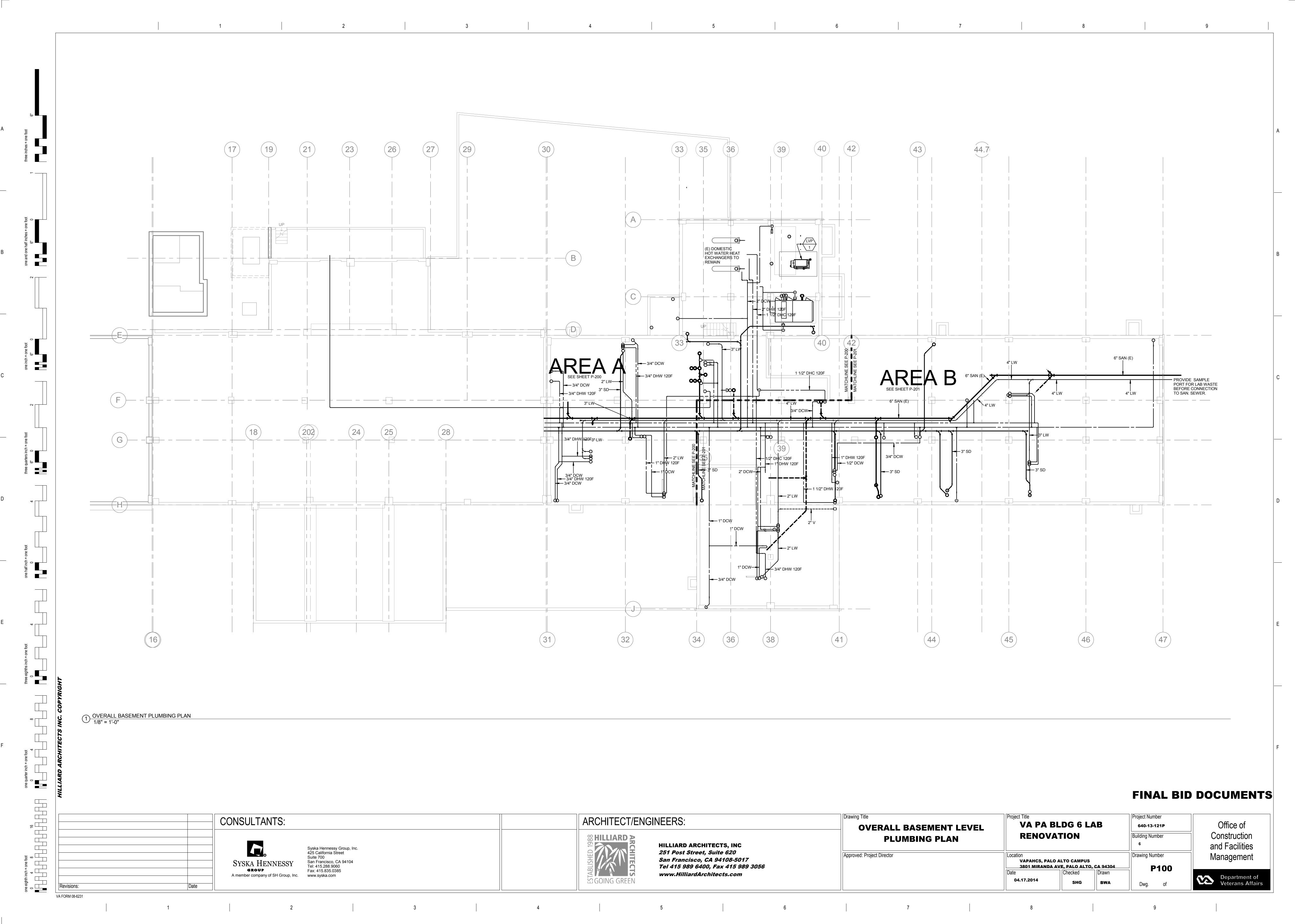
ETC. DURING THE ENTIRE PERIOD OF PLUMBING DEMOLITION WORK.

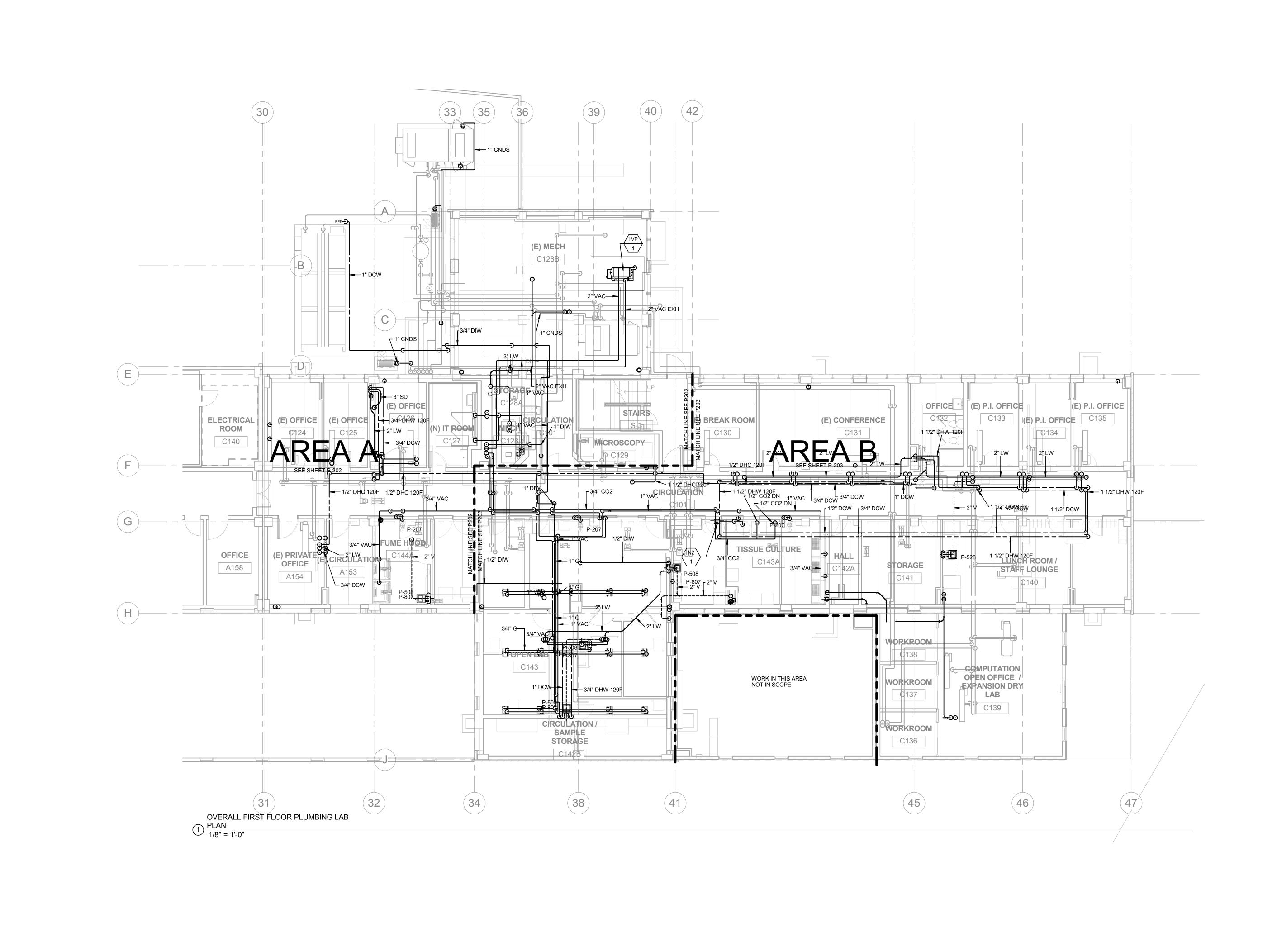
CAP AND SEAL ANY PIPING DUE TO DEMOLITION WORK THAT WILL BE

LOCATIONS OF EXISTING PLUMBING FIXTURES, PIPING ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND

> Construction and Facilities Management

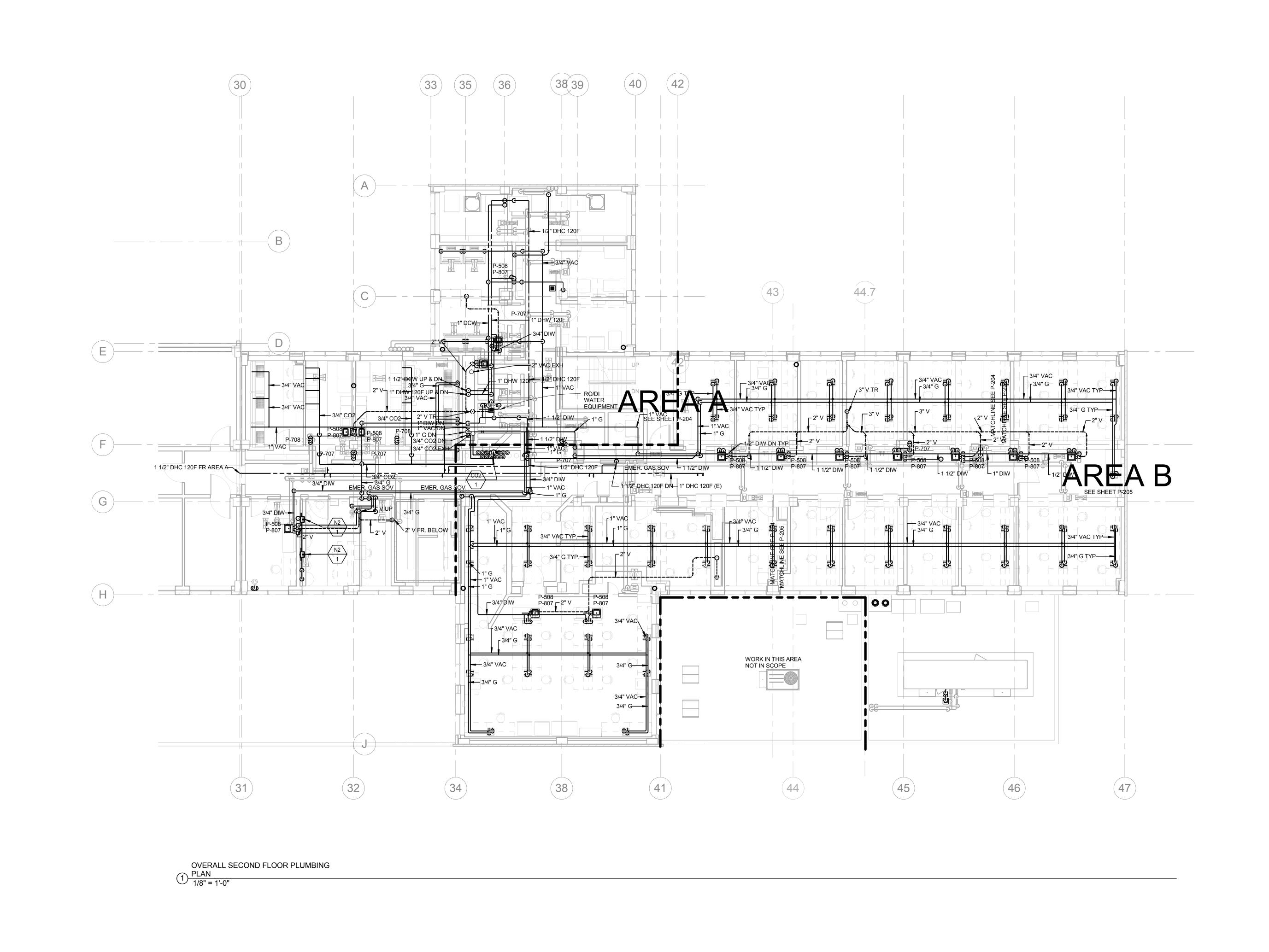
Department of Veterans Affairs





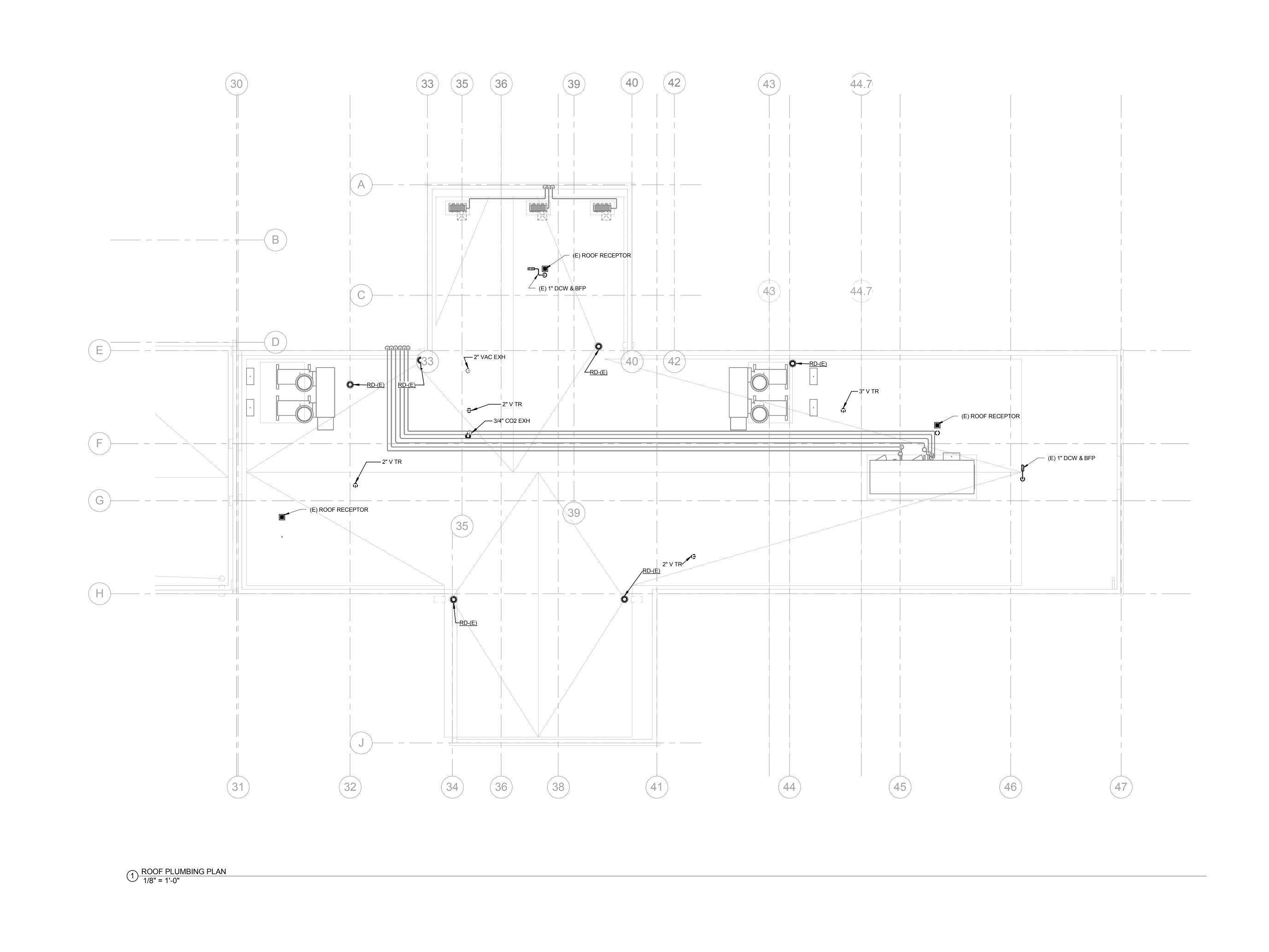
	CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title OVERALL FIRST FLOOR	Project Title VA PA BLDG 6 LAB	Project Number 640-13-121P	Office of
	Syska Hennessy Group, Inc. 425 California Street	HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620	PLUMBING PLAN	RENOVATION	Building Number 6	Construction and Facilities
	Suite 700 Suite 700 San Francisco, CA 94104 Tel: 415.288.9060 Fax: 415.835.0385 A member company of SH Group, Inc. Www.syska.com	San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com	Approved: Project Director	Location VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304 Date Checked Drawn	Drawing Number P101	Management
Revisions: Date		☐ GOING GREEN		04.17.2014 SHG BWA	Dwg. of	Department of Veterans Affai

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	CONSULTANTS:	ARCHITECT/ENGINEERS:	OVERALL SECOND FLOOR	VA PA BLDG 6 LAB RENOVATION		AB	Project Number 640-13-121P	Office of
	Syska Hannessy Group, Inc.	#ILLIARD ARCHITECTS, INC	PLUMBING PLAN				Building Number 6	Construction and Facilities
	Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415.288.9060	HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056	Approved: Project Director	Location VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304			Drawing Number P102	Management
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	CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title	Project Title VA PA BLDG 6 LAB	Project Number 640-13-121P	Office of
	Syska Hennessy Group, Inc.	#ILLIARD ARCHITECTS, INC	PLUMBING ROOF PLAN	RENOVATION	Building Number	Construction and Facilities
	## 425 California Street Suite 700 SYSKA HENNESSY GROUP ## 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415.288.9060 Fax: 415.835.0385	251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056	Approved: Project Director	Location VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304	Drawing Number P103	Management
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